The Surprisingly Quiet 2013 Atlantic Basin Hurricane Season

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Colorado State University Seasonal Forecasts

Forecast Parameter and 1981-2010 Median (in parentheses)	Issue Date 10 April 2013	Issue Date 3 June 2013	Issue Date 2 August 2013
Named Storms (NS) (12.0)	18	18	18
Named Storm Days (NSD) (60.1)	95	95	84.25
Hurricanes (H) (6.5)	9	9	8
Hurricane Days (HD) (21.3)	40	40	35
Major Hurricanes (MH) (2.0)	4	4	3
Major Hurricane Days (MHD) (3.9)	9	9	7
Accumulated Cyclone Energy (ACE) (92)	165	165	142
Net Tropical Cyclone Activity (NTC) (103%)	175	175	150

NOAA Seasonal Forecasts

Forecast Parameter and 1981-2010 Median (in parentheses)	Issue Date 23 May 2013	Issue Date 8 August 2013
Named Storms (NS) (12.0)	13-20	13-19
Hurricanes (H) (6.5)	7-11	6-9
Major Hurricanes (MH) (2.0)	3-6	3-5
Accumulated Cyclone Energy (ACE) (92)	110-189	110-175

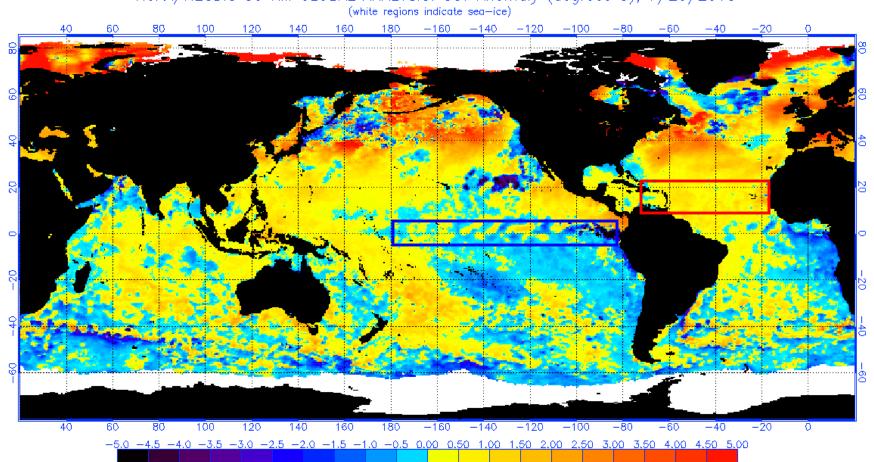
OBSERVED ATLANTIC HURRICANE ACTIVITY THROUGH OCTOBER 20

Forecast Parameter (Climatology in Parentheses)	Observed Value
Named Storms (NS) (12.0)	11
Named Storm Days (NSD) (60.1)	32.75
Hurricanes (H) (6.5)	2
Hurricane Days (HD) (21.3)	3.75
Major Hurricanes (MH) (2.0)	0
Major Hurricane Days (MHD) (3.9)	0.00
Accumulated Cyclone Energy (ACE) (92)	28
Net Tropical Cyclone Activity (NTC) (103)	38



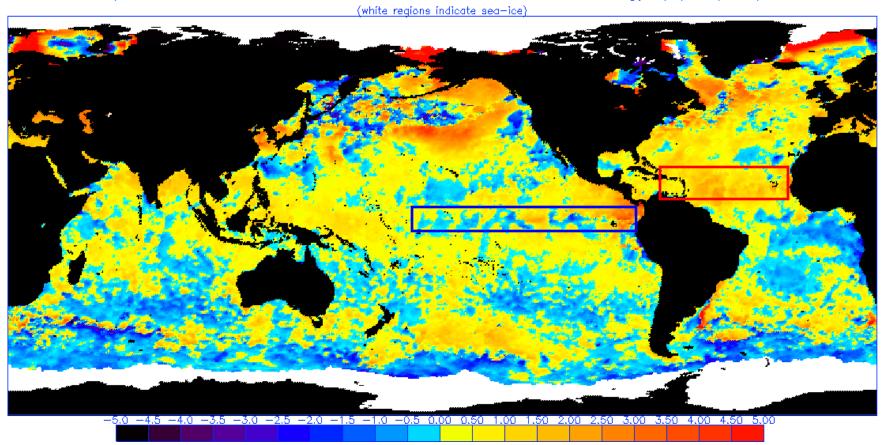
28 ACE



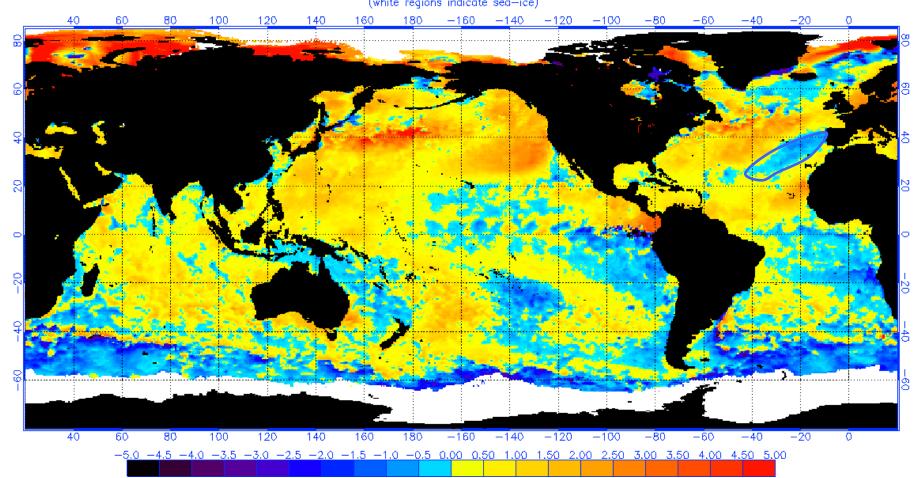


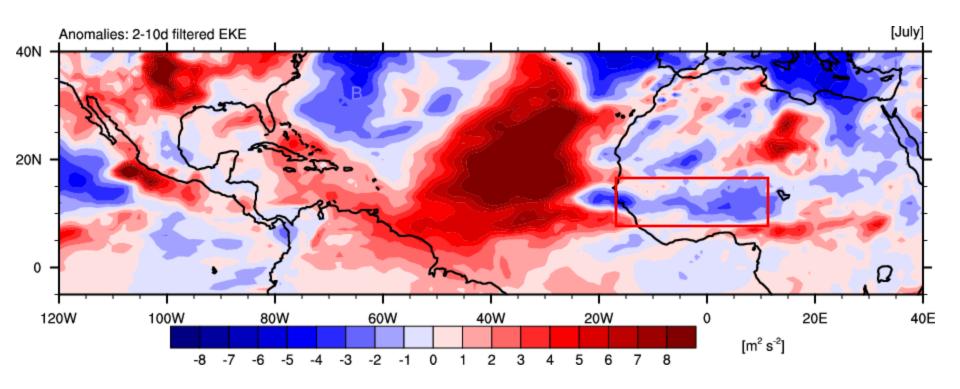
250 ACE

NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST - Climatology (C), 7/30/2005

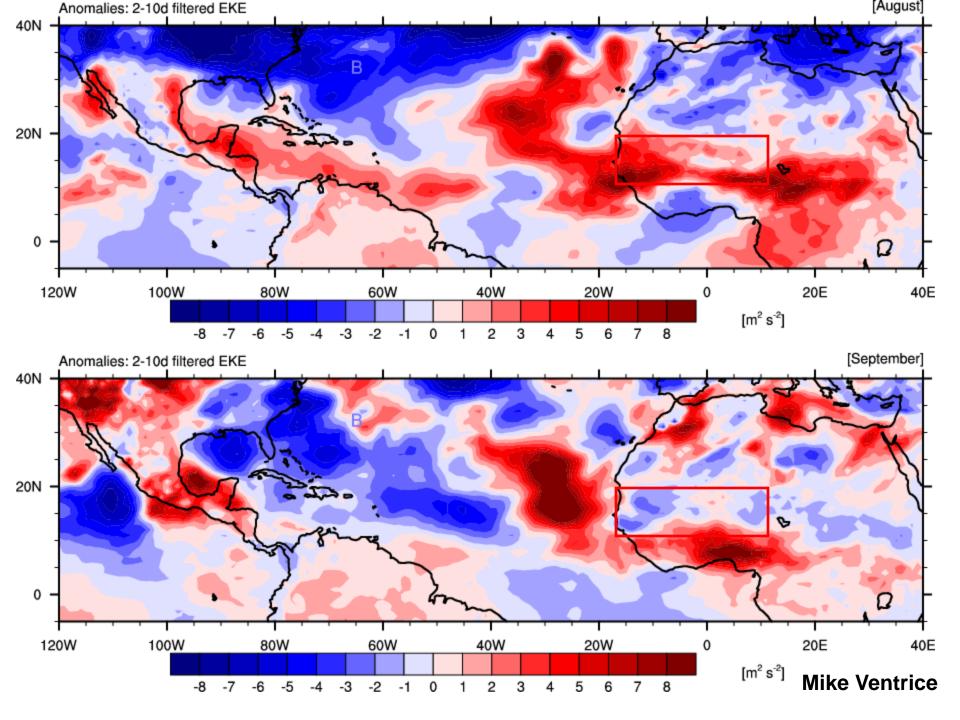


NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 9/9/2013 (white regions indicate sea-ice)



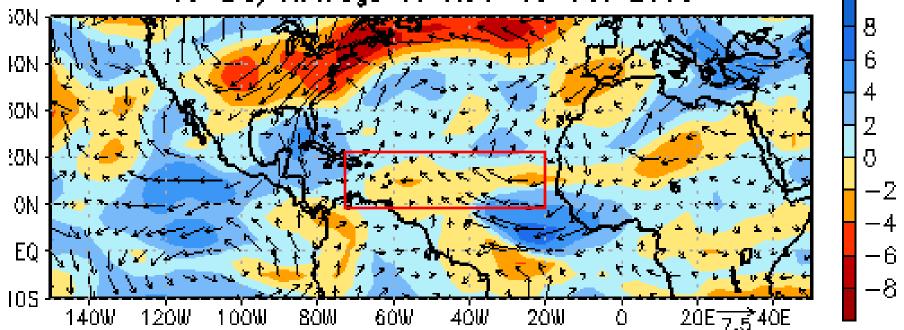


Mike Ventrice



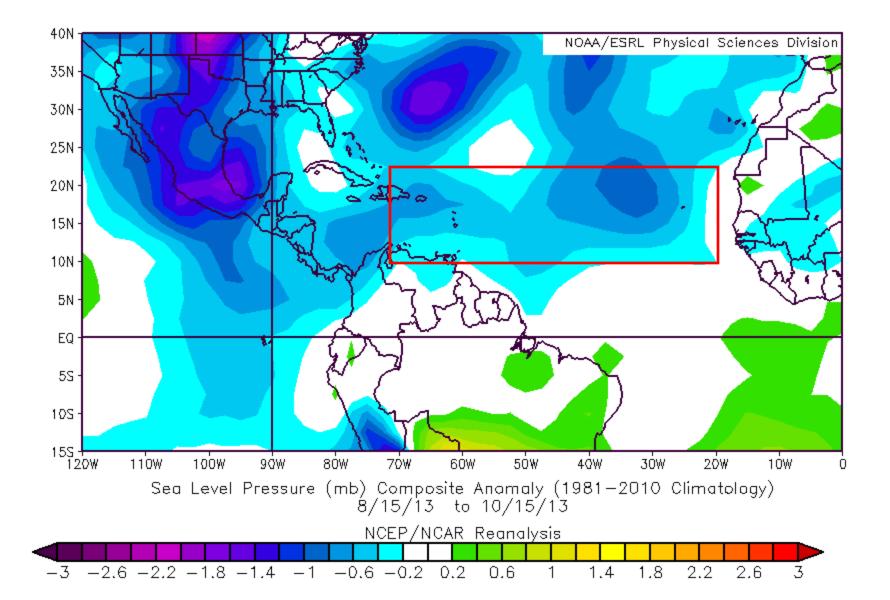
200-850 hPa Anomalous Vertical Wind Shear Magnitude and Vector

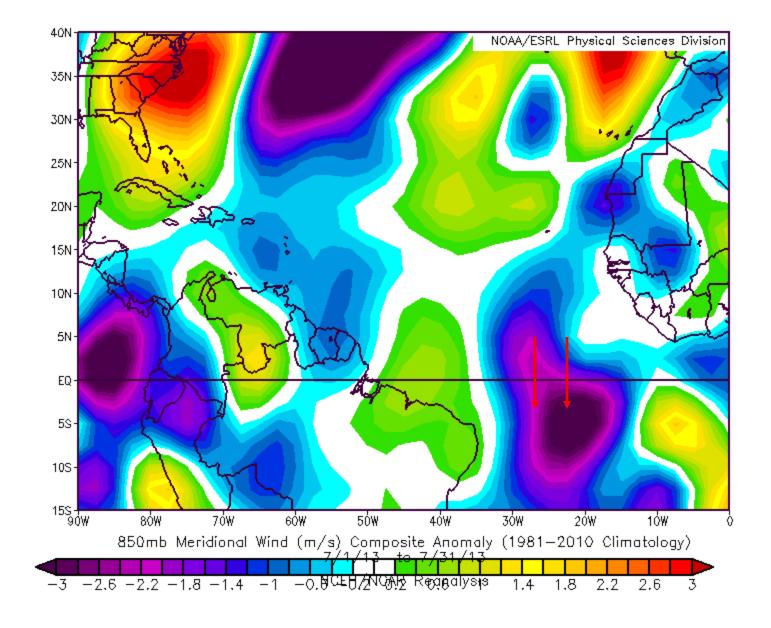
60-Day Average 17 AUG-15 OCT 2013

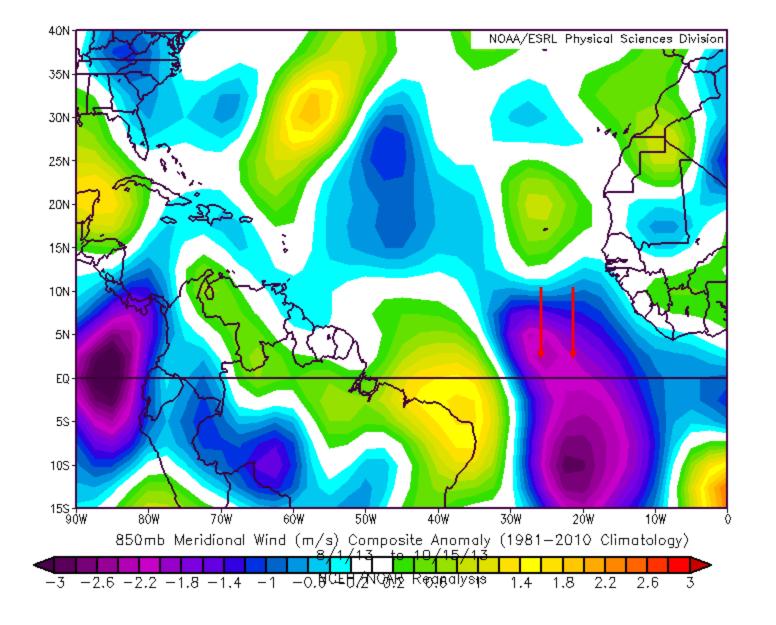


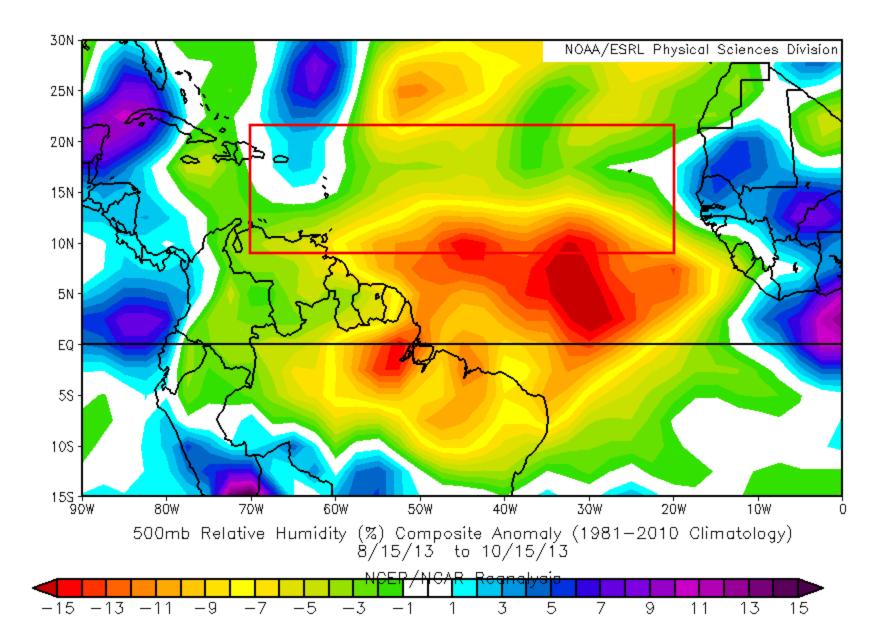
200—850 hPa Vertical wind shear magnitude (shading, m s⁻¹) and vector: 60—Day average.(Top) Total and (Bottom) Anomalies. Vector scales are below plots. Anomalies are departures from the 1981—2010 period monthly means.

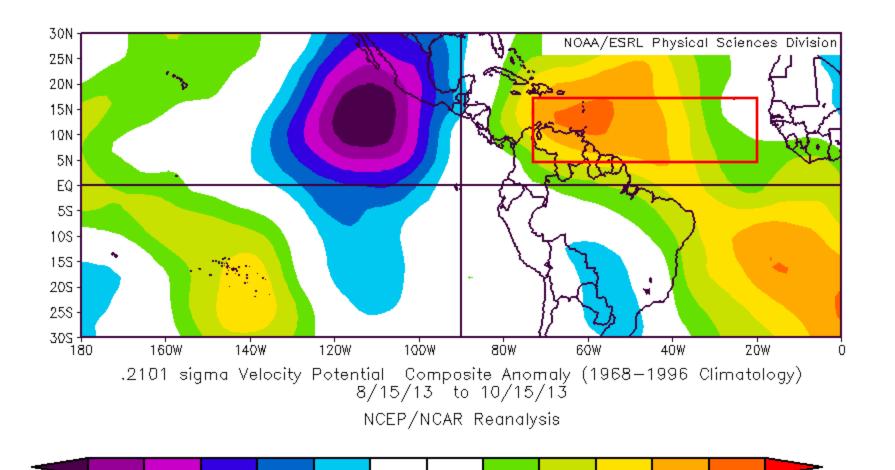
NOAA CLIMATE PREDICTION CENTER/NCEP











0

1e+06

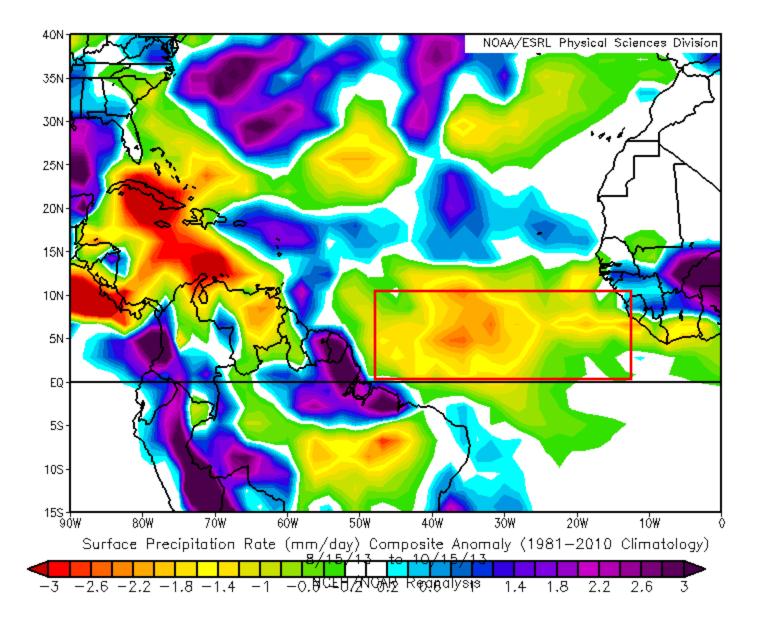
2e+06

3e+06

-3e + 06

-2e+06

-1e+06





METEOROLOGISTS ARE USUALLY BRILLIANT AT AFTER-THE-FACT RECONSTRUCTION OF WHAT WENT WRONG WITH THEIR FORECASTS. THIS WILL HOPEFULLY LEAD TO IMPROVEMENT OF FUTURE FORECASTS.

Arago's Admonition:

"Never, no matter what may be the progress of science, will honest scientific men who have regard for their reputations venture to predict the weather."